

FIG. 1

FIG. 3D

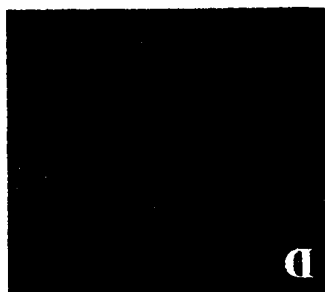


FIG. 3E

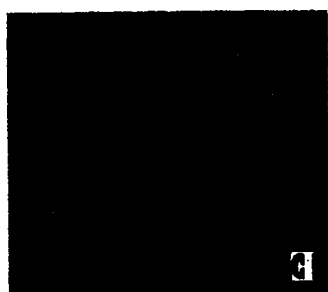


FIG. 3F



FIG. 3A



FIG. 3B

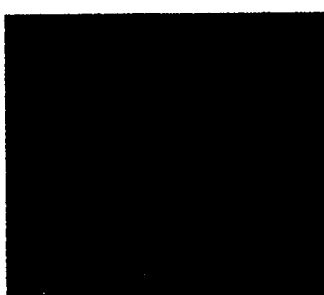


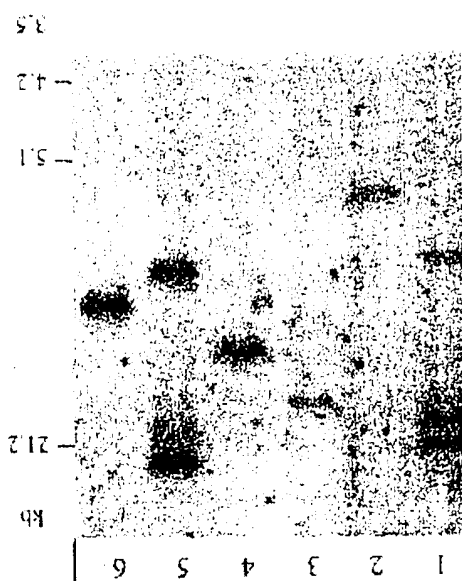
FIG. 3C



FIG. 2A



FIG. 2B



A. AmpPV

B. Plasmid

FIG. 5



FIG. 4C

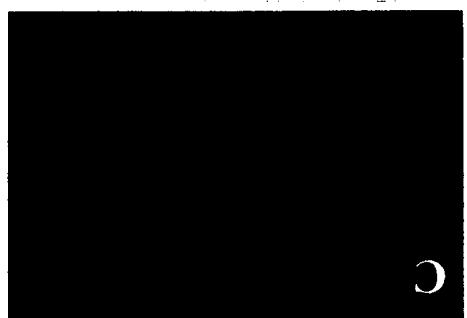


FIG. 4D

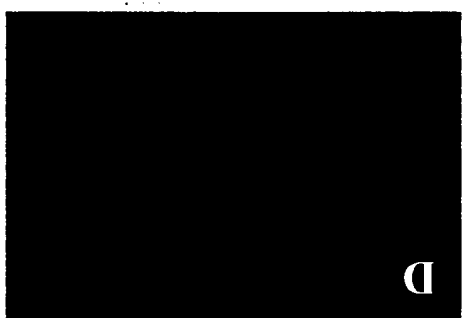


FIG. 4A

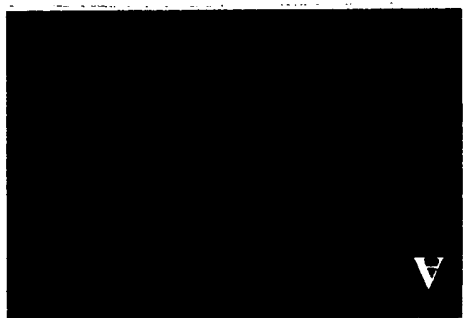


FIG. 4B

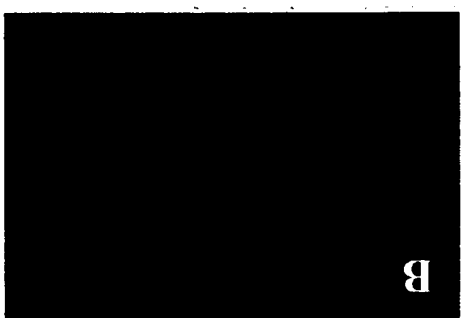


FIG. 6A



A

FIG. 6A



B

FIG. 6B

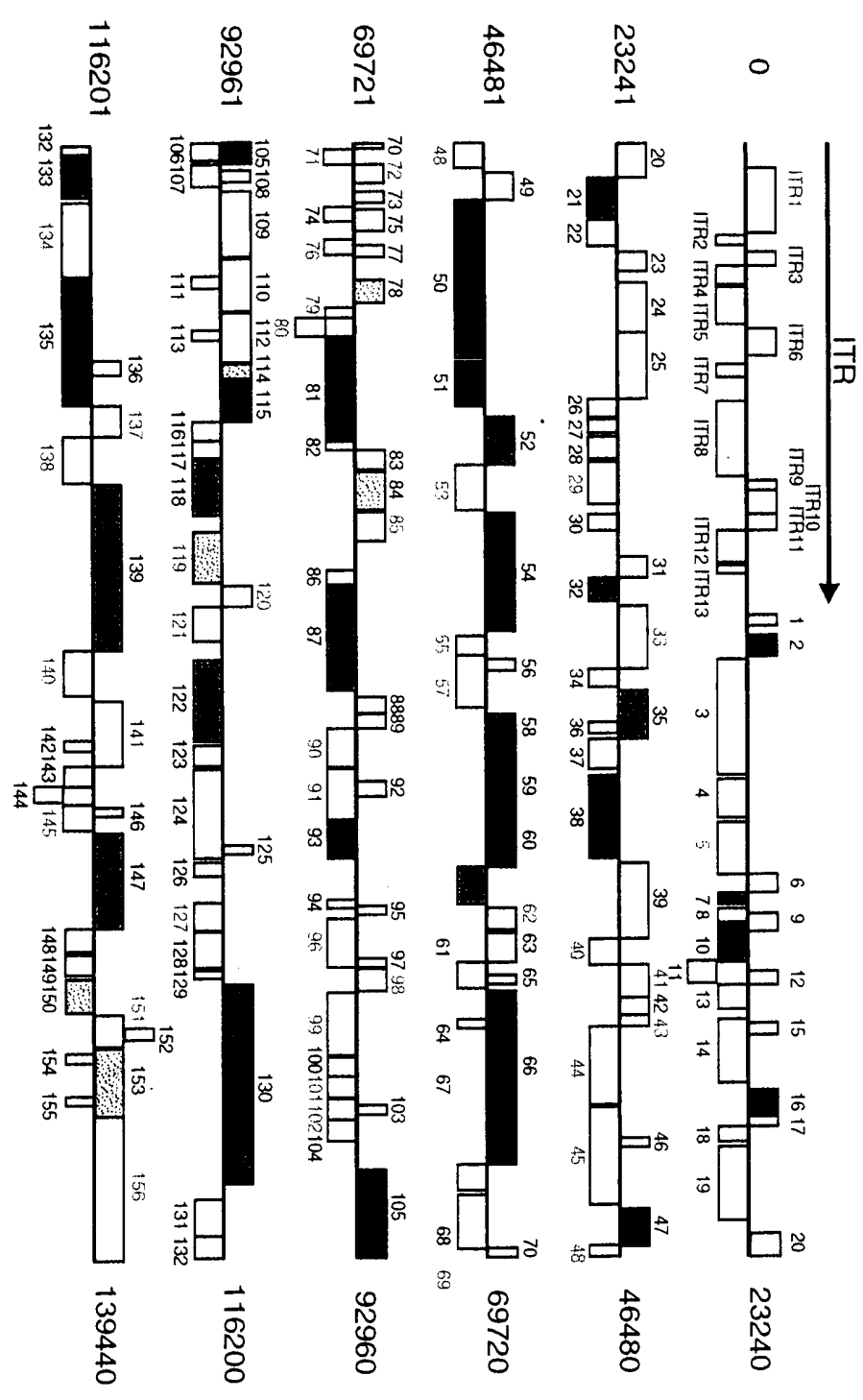


FIG. 7A

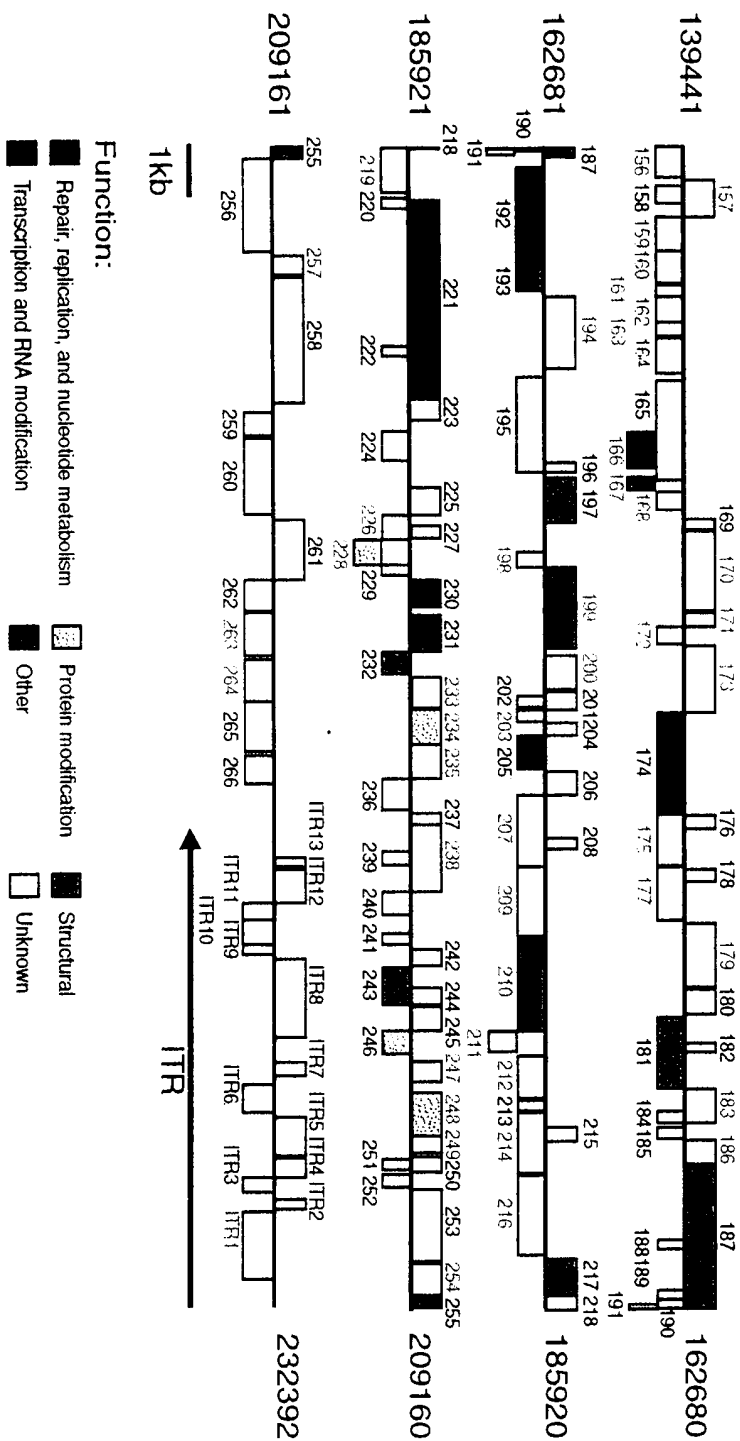


FIG. 7B

FIG. 8A



FIG. 8B

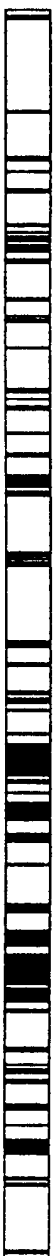


FIG. 8C



FIG. 8D



ITR

ITR

FIG. 9A

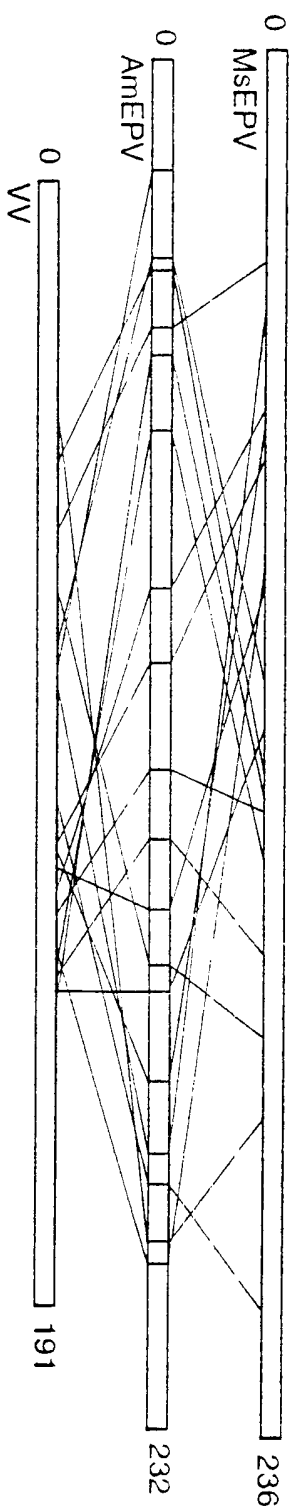
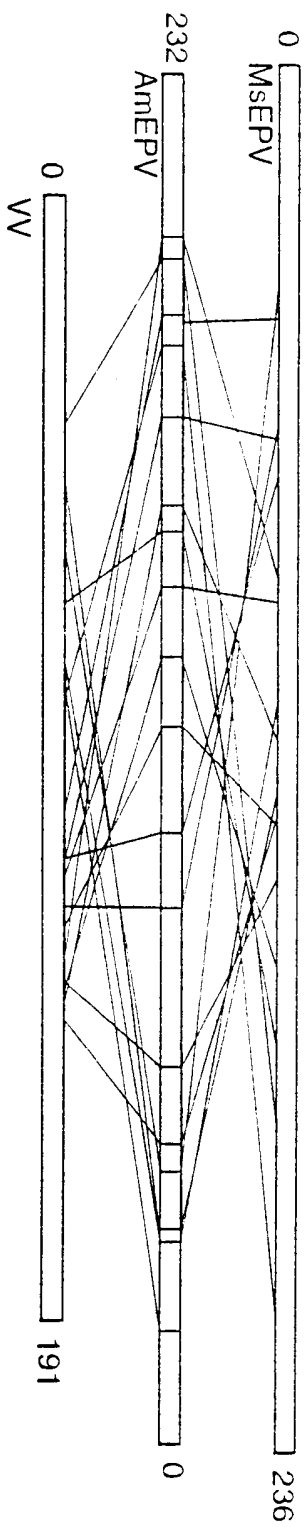


FIG. 9B



HaEPV	MSF	NP11YYISD	I...	KNERY	KINTEK	YIF	NERKPGOLK	50	L1NEIRETE	DVEIYKKN	NK1N1LYIG	SGKGYH1PL	ME1YSKY	100
AMV060	MMF	MP0YVYISD	I...	NAE1EX	DEHEHGEKE	DEKROGOLK	LMHEIP1TE	100	DVEIYKKN	HE1H1LYIG	SGKGYH1PL	ME1YSKY	N...	
MSV041	MSIYMKINDE	KKNVL1EON	I...	NNQ1KY	...	KNNVS	N. KHPGOLK	100	LMTELOFEN	DREIYVLYIG	SGRGYH1LKL	LD1YKDY	N...	
AMV115	MDVNKY1YEX	NKPL1YTYTD	I...	CPMNDV1Y	...	...	...	100	LSOJOELSH	INIKKICANT	NG1VH1LYIG	SSKAYHEN1L	HE1YK1L1N
Consensus	MDVVS1	DKP	FMVFE	I...	DNELDY	...	...	100	LMGELFELSK	LORHGLDGL	...	ATVYVYIG	SAPGTH1RYL
Insect Cons	---	---	---	---	---	---	---	100	---	---	---	---	---	
AmEPV Cons	---	---	---	---	---	---	---	100	---	---	---	---	---	
HaEPV	101	I1WHLYPDNG	HCDK1NE1SN	KNNHVN1YNO	I...	FEDEKDEVELY	EDVOHLE1S	150	DIRTIDDKJ	EPRTK1L1ND	YD1QNYVLKQ	LKPI	AL1KQ	
AMV060	AMV060	IOWDLYPDNG	HCEK1YH1OK	NNH1K1KYD	...	YEHKSDVEKY	EN1DH1LE1T	200	DIRTVHEDD	EPRTK1L1ND	YELQNYLKE	LKPI	SLVKQ	
MSV041	MSV041	IKWYEDPSG	HG1SLERM5Q	...	YVSINND	YETEKHINEF	KNNKPLE1S	200	DIRSTDG5...	EPRTK1L1ND	YK1QNN1VLN	LRPI	SLVKE	
AMV115	AMV115	IOWFYD11D	PC1SVERLS	...	YNI1ENRK	LETEDD11DE	K1EYPL1LY	200	...	EPRTK1L1ND	YNNQNN11TY	LMFTYSLKE	KYAE1NKWN	
Consensus	Consensus	I-W--D--	---	---	---	---	---	200	...	EPRTK1L1ND	YALQNM1SI	LNPAVASS1KW	KCPED1QWIK	
Insect Cons	Insect Cons	I-W--D--	---	---	---	---	---	200	---	---	---	---	---	
AmEPV Cons	AmEPV Cons	I-W--D--	---	---	---	---	---	200	---	---	---	---	---	
HaEPV	201	SYEMY1.PD.	GKEYVOCFOR	HDSAEYRIE	...	VCATTETKV	NLDV1KTRNI	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
AMV060	AMV060	SYKLS1.PD.	GKEYIOCFOR	YNSAEYRIE	...	ISG1TTEVDI	NSV111NKRGI	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
MSV041	MSV041	E1FENEYVD.	G1KFLQPECG	POSTEMRIE	...	VSEON11LK	NFSKEES1IF	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
AMV115	AMV115	SEHDEY1ST	G1KFLPT1.	KS1HTRN1	...	1DNKN1MT1.	TTDE1ESEN	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
Consensus	Consensus	DE...Y1PH	GNNK1QPEAP	SYSAEMPL1S	...	TYTGEHML1F	RVTESDVVNY	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
Insect Cons	Insect Cons	---	---	---	---	---	---	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
AmEPV Cons	AmEPV Cons	---	---	---	---	---	---	250	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL	
HaEPV	301	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL
AMV060	AMV060	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL
MSV041	MSV041	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL
AMV115	AMV115	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL
Consensus	Consensus	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL
Insect Cons	Insect Cons	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL
AmEPV Cons	AmEPV Cons	IKSVIKSISK	TINDN	...	...	...	...	350	DKKLAWYNTK	YREDNENDY	...	RIAYRVLTK	YKTE1N1PFL

FIG. 10

1 MNYIITLCTF MLESSSYNEK LNNNNICNED YDPGICRIGD
41 IRWYNNYNIK DCKIFLYGC GGNMNNFNMY EDCINCKLI

FIG. 12

